

What is claimed is:

Sub A1 1. A multimedia data distribution system, comprising:

a distribution system adapted to distribute and deliver public network protocol signals to the level of an individual home network bus;

a micro-PBX connected to the distribution system and to the home network bus; and

a converter connected to the home network bus and having an outlet adapted for connecting to conventional single media and multimedia electronic devices;

wherein the micro-PBX is adapted to translate between the public network protocol and a Local Area Network (LAN) protocol on the home network bus, and to manage the home network bus as a carrier multiple access points type bus, and the converter is adapted to convert signals on the home network bus to a form required by one of the single media and multimedia electronic devices.

Sub E2 2. The multimedia data distribution system of claim 1 wherein the single and multimedia electronic devices include telephones, personal computers, fax machines, and televisions running through set top boxes.

Sub A2 3. A home network system, comprising:

a micro-PBX having an inlet port and connected to a home network bus; and a converter connected to the home network bus and having an outlet adapted for connecting to conventional single media and multimedia electronic devices;

wherein the micro-PBX is adapted to translate between a public network data protocol at the inlet port and a Local Area Network (LAN) data protocol on the home network bus, and to manage the home network bus as a carrier multiple access points type bus, and the converter is adapted to convert signals on the home network bus to a form required by one of the single media and multimedia electronic devices.

[illegible]